

# Leucine-rich repeats and the distribution of mutations in the Nyctalopin protein

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MKGRGMLVLLHVVVLGLPSAWAVGACARA^CPAACACSTVERGC SVRC^DR - 50
                                     del
1.  AGLLRVPAELPCEAVSIDLDRNGL - 74
2.  RFLGERAFGTLPSLRRLSLRHNNL - 98
3.  SFTTPGAFKGLPRLAELRLAHNGDL - 123
4.  RYLHARTFAALSRLRLDLAACRL - 147
5.  FSVPERLLAELPALRELAAFDNLFRRVPGALRGL - 181
6.  ANLTHAHLISLRRLRLSLSLQANRV - 218
    ERGRIEAVASSSLOG
7.  RAVHAGAFGDCGVLEHLLINDNLL - 242
8.  AELPADAFRGLRLRLTLNLGGNAL - 266
9.  DRVARAWFADLAELLEYLDRMSI - 290
10. AFVEEGAFQNLSGLLALHLNGNRL - 314
11. TVLAWVAFQPGFFLGRFLFLFRNPW - 338
    β-sheet      α-helix

CCDCRLEWLRLDMEGSGRVTDVFCASPGSVAGLDLSQVTFGRSSDGLCVD - 388
PEELNLTSSPGPSPEPAATTVSFSSLLSKLLAPRVFVEEAANTTGGLA - 438
NASLSDSLSSRGVGGAGRQFWFLASCLLPVAQHVVVFLQMD - 481
    
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<sup>^</sup> insertions of SVPERLL, GLR and FLR, respectively  
<sup>v</sup> most likely signal peptide cleavage site

FIGURE 3B [SEQ ID. NO. 2]